NOTES:

INSTALL AVIATION TAPE EVERY 18 IN OR
AS NECESSARY ON ALL TUBE ASSEMBLIES

SHEET	REV	ECO	DATE	DESCRIPTION	BY	СНК	APR
1-9	Α		300000000000000000000000000000000000000	MDDIFIED -4,-5,-6,-8,-11 ASSY	REB	REB	
1,3	В			ES39500-1 REMOVED FROM -7 ASSY	REB	REB	REB
1,6-9	С		06/17/97	ES39501 WAS S-5018, MOD'F ANGLES ON -5 ASSY, REMOVED S-5018 ON -13	REB	REB	REB
1,3	D		12/22/97	CHANGE LENGTH OF -7 TUBE ASSY. TO 4.25°	REB	REB	REB
1,10	Ε		12/10/99	ADDED SHT 10 & 11, ASSY14,-15,-16	MR	LS	MR
1,10,11	F		08/19/05	17.75 WAS 19.00, -14 TUBE ASSY. ADDED -17, -18 TUBE ASSY'S	REB	LS	REB
1-11	G		07/05/07	ADDED BEND TABLES TO -3/-4/-5/-6/-9/-10/-14/-16. ADDED FIRESLEEVE CALLOUTS TO -4/-5/-16. BEND RADII WAS 1.5' ON -6/-9/-10/-11/-12. -3 ASSY: 15.62 WAS 15.75 (TO BEND €), ADDED DIMS 10.96, 1.26. -4 ASSY: DIM 3.02 WAS 2.77, REMOVED 3' BEND, 169' WAS 166'. -5 ASSY: ASSIGNED BENDS 1,2.3. ADDED TUBE ROTATION VIEW. -6/-11 ASSY'S: LENGTH DIMS WERE TO END OF BENDS. -9 ASSY: ADDED DIMS 11.38, 2.58, 1.28, \$ 10.76. -10 ASSY: ADDED DIMS 13.56(REF), 6.54, 6.02, 12.62(REF) WAS 12.13(REF), 1.77 WAS 1.25. -12 ASSY: 1.34 WAS 1.19, 10.40 WAS 10.25. -14 ASSY: ADDED DIMS 23.87, 4.57, 2.91, 49.86(REF), 17.62 WAS 17.75 (TO €) -16 ASSY: 2.69 WAS 2.77, 4.71(REF) WAS 4.75(REF). ADDED SEGMENT LENGTHS, FRACTIONAL (ft. & Inches) TUBE LENGTHS. ADDED 304SS & 5052-0 TO BOM.	REB	LS	REB
1,9		1	05/19/08	DEFINED AVIATION TAPE NOTE AS NOTE 1. CRCT'N: BH-9 WAS BH-7 AND REPLACED FERRULE, NUT, & SLEEVE ON -5 FIGURE ONLY.	REB	CEH	REB
1,10		2	12/01/10	REMOVED ES39500-1 FERRULE FROM ITEM -15 ASSY	REB	LS	REB
1, 6-8	Н		05/26/20	P/N ES39501-1 UPDATED TO ES39500-2, 32' DIM ON -9 ASSY NOW 30.5'	DT	LS	ZA
1, 12	J		03/23/21	ADDED SHEET 12 AND ASSEMBLY S-5017-19. UPDATED FIRE SLEEVE LENGTHS ON -7, -11, -10, -12, AND -14.	DT	LS	ZA
ALL	К		02/21/22	MOVED BOM TO NEW SHEET 2. INCREMENTED SUBSEQUENT PAGES. ADDED ALTERNATE SLEEVE AND NUT P/NS.	DT	4	DT

Paravion[®] TITLE DRAWING NO. √Technology TUBE ASSEMBLY S-5017 DIMENSIONS IN INCHES DRAWN APRVD. CHK'D BY BY BY DATE ECO TOLERANCES EXCEPT WHERE NOTED: REV RHSM REB LS 11/26/96 -CONFIDENTIAL INFORMATION-THE INFORMATION AND DATA CONTAINED HEREIN IS PROPRIETARY AND IS SUBMITTED IN CONFIDENCE; $.X = \pm .1$ $.XX = \pm .05$ $.XXX = \pm .010$ **PROTO** DO NOT SCALE DRAWING SHEET © 2022 PARAVION TECH., INC. PARAVION IS A TRADEMARK OF PARAVION TECHNOLOGY, INC. AND SHALL NOT BE DISCLOSED, USED OR DUPLICATED N/C FOR ANY PURPOSE WHATSOEVER WITHOUT THE PRIOR WRITTEN PERMISSION OF PARAVION TECHNOLOGY, INC. 1 DF 13 ANGLES = ± 1°

BREAK ALL SHARP EDGES

10.4 3.75 WW-T-700/4 4.25 | 16.2 | 45.4 | 15.8 5052-0 TUBE: 1/2 X .035W SEAMLESS (QTY IN INCHES) 5052-0 4.00 | 12.3 | 20.6 | 16.0 | 30.9 | 13.9 TUBE: 3/8 X .035W SEAMLESS (QTY IN INCHES) WW-T-700/4 ASTM-A269-92 14.7 30455 TUBE: 5/8 X .035W SEAMLESS (QTY IN INCHES) ASTM-A269-92 52.55 6.33 16.2 35.2 14.7 30455 TUBE: 1/2 X .035W SEAMLESS (QTY IN INCHES) 50.9 16 3 3 16 4 4 4 4 8 4 4 4 16 4 8 4 4 ES82100-1 AVIATION TAPE (QTY IN INCHES) (SEE NOTE 1) 14.5 BH-9 FIRE SLEEVE (QTY IN INCHES) 53.5 9 3.75 49.5 3.25 15 45 14 35 14.5 16 BH-7 FIRE SLEEVE (QTY IN INCHES) 4 11.5 20 | 15.25 | 30.5 | 13.5 AN819-10J SLEEVE (ALT: MS20819-10J, AS5176J10) AN818-10J NUT (ALT: AS5175J10) 2 2 2 2 2 AN819-8J SLEEVE (ALT: MS20819-8J, AS5176J08) 2 2 2 2 2 2 AN818-8J NUT (ALT: AS5175J08) 2 SLEEVE (ALT: MS20819-8D, AS3220D08) 2 AN819-8D 2 2 2 2 AN818-8D NUT (AS5175W08, AN818-8W) 2 2 2 2 AN819-6D SLEEVE (ALT: MS20819-6D, AS3220D06) 2 2 2 2 2 2 AN818-6D NUT (ALT: AS5175W06, AN818-6W) 2 ES39500-2 FERRULE 2 2 2 ES39500-1 FERRULE -3 -1 -19 -18 | -17 -16 | -15 | -14-13 | -12 -11 -10-8 -6 -4SPEC. PART NO DESCRIPTION <u>Paravion®</u> TITLE DRAWING NO. √Technology S - 5017TUBE ASSEMBLY DIMENSIONS IN INCHES DRAWN APRVD. CHK'D DATE ECO REV TOLERANCES EXCEPT BY BY BY WHERE NOTED: 02/21/22 K -CONFIDENTIAL INFORMATION- $X = \pm .1$ **PROTO** THE INFORMATION AND DATA CONTAINED HEREIN $.XX = \pm .05$ DO NOT SCALE DRAWING SHEET IS PROPRIETARY AND IS SUBMITTED IN CONFIDENCE; $.XXX = \pm .010$ AND SHALL NOT BE DISCLOSED, USED OR DUPLICATED C 2022 PARAVION TECH., INC. N/C FOR ANY PURPOSE WHATSOEVER WITHOUT THE PRIOR PARAVION IS A TRADEMARK OF 2 DF 13 ANGLES = ± 1° BREAK ALL SHARP EDGES WRITTEN PERMISSION OF PARAVION TECHNOLOGY, INC. PARAVION TECHNOLOGY, INC.





















